<u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

Applicant(s):   Darius Martin Sullivan

Assignee: New Transducers Limited

Title: CONTACT SENSITIVE DEVICE

Patent No.:   6,922,642 B2   Issued: July 26, 2005

Atty. Docket No.: 081-0002-1

December 7, 2005

ATTN: Certificate of Correction Branch
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT – PTO MISTAKE (37 C.F.R. § 1.322(a))

Dear Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a), please issue a Certificate of Correction in the above-identified matter. The mistake(s) to be corrected was made by the Office.

1.   Attached hereto is Form PTO/SB/44 (PTO-1050) suitable for printing.

2.   The exact page(s) and line number(s) where the error(s) is shown correctly in the application file:

Application filed January 5, 2005, page 15, line 20;

Application filed January 5, 2005, page 19, line 10;

Application filed January 5, 2005, page 19, line 21;

Application filed January 5, 2005, page 20, lines 6;

Application filed January 5, 2005, page 20, line 12;

Application filed January 5, 2005, page 20, line 24;

Application filed January 5, 2005, page 31, lines 22-23;

Application filed January 5, 2005, page 31, line 24;

Application filed January 5, 2005, page 32, line 1;

Application filed January 5, 2005, page 32, line 19;

Application filed January 5, 2005, page 36, line 20;

Application filed January 5, 2005, page 38, line 19;

Preliminary Amendment filed October 4, 2004, page 2, Claim 4.

Certificate
DEC 14 2005
of Correction

DEC 14 2005

3. Please send the Certificate to:

Mark Zagorin
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AUSTIN, TEXAS 78731-1191

Respectfully submitted,

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DEC 1 4 2005

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,922,642 B2

DATED : July 26, 2005

INVENTOR(S) : Darius Martin Sullivan

It is certified that error(s) appear(s) in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<u>Column 6</u>

Line 57: the words " $\phi_{12}^*(\omega) = \left| \sum_j W_{i,j}(\omega)\hat{W}_{2,j}^*(\omega)\exp\left[-ik(\omega)\Delta x_j\right] \right|$ " should read

-- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega)\hat{W}_{2,j}^*(\omega)\exp\left[-ik(\omega)\Delta x_j\right] \right|$ --.

<u>Column 8</u>

Line 24: the words "time to at which" should read -- time t_0 at which --.

Line 37: the words "$\Pi_j W_j{}'(t)$" should read -- $\prod_j W_j'(t)$ --.

Line 46: the words "$W_j{}'(t)$" should read -- $W_j'(t)$ --.

Line 53: the words "$\Pi_j W_j{}'(t_o)$" should read -- $\prod_j W_j'(t_0)$ --.

Line 65: the words "$\Pi_j W_j{}'(t_o)$" should read -- $\prod_j W_j'(t_0)$ --.

<u>Column 13</u>

Line 24: the words "$W_1{}'(t)$ and $W_2{}'(t)$" should read -- $W_1'(t)$ and $W_2'(t)$ --.

Line 26: the words "$W_1{}'(t)$ and $W_2{}'(t)$" should read -- $W_1'(t)$ and $W_2'(t)$ --.

PATENT NO. <u>6,922,642 B2</u>

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,922,642 B2

DATED : July 26, 2005

INVENTOR(S) : Darius Martin Sullivan

It is certified that error(s) appear(s) in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13

Line 48: the words " $G(t) = \dfrac{1}{2\pi} \int_{-\infty}^{+\infty} \hat{W}_1[f(\omega)]W_2^*[f(\omega)] \, \phi_{12}[f(\omega)] \exp(i\omega t)d\omega$ " should read

-- $G(t) = \dfrac{1}{2\pi} \int_{-\infty}^{+\infty} \hat{W}_1[f(\omega)]\hat{W}_2^*[f(\omega)] \, \phi_{12}[f(\omega)] \exp(i\omega t)d\omega$ --.

Column 15

Line 22: the words " $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{i,j}(\omega)\hat{W}_{2,j}^*(\omega)\exp[-ik(\omega)\Delta x_j] \right|$ " should read

-- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega)\hat{W}_{2,j}^*(\omega)\exp[-ik(\omega)\Delta x_j] \right|$ --.

Column 16

Line 10: the words $W_1'(t)$" should read -- $W_1'(t)$ --.

Claim 4

The words "A contact sensitive device according to claim 3, wherein the optimisation maximum value of the product is obtained." should read
-- A contact sensitive device according to claim 3, wherein the optimisation includes iterative refinement of estimates of a location of the contact and a time for which the maximum value of the product is obtained.--.

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PATENT NO. 6,922,642 B2

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